

# Module 1 | Cybersecurity: A History

## Introduction

Cybersecurity is more important today than ever. It has become an intrinsic concern for engineers and managers the world over. In this module, we're going to cover how we got to where we are today. We're going to go back to the very beginnings of hacker and virus development culture, and show the important developments over the last 60 years that have brought us to where we are now.

*This is a fast group of video lectures to give you an idea of the history of malware and hacking. Your best bet is to sit down and review these lectures in one or two sittings, and then take the quiz.*

## Summary

- This module consists of a series of video lectures with no external reading.
- At the end of this module, we'll have a quiz over the contents.

## Learning Objectives

The primary class objectives we address in this module are to enable you to *explain the history of cybersecurity and hacking* and to *identify the key events socially and technically that lead us to where we are today*.

This module should be completed in the first week.

## Required Instructional Materials

All you'll need for this section are the video lectures, with supplemental material provided for further research if you're interested.

## Other Resources

The Virus Encyclopedia (<http://virus.wikidot.com>).

VX Heaven (<http://83.133.184.251/virensimulation.org/index.html>).

The Little Black Book of Computer Viruses ([https://www.amazon.com/Little-Black-Book-Computer-Viruses/dp/0929408020/ref=sr\\_1\\_1?ie=UTF8&qid=1538878401&sr=8-1&keywords=little+black+book+of+computer+virus](https://www.amazon.com/Little-Black-Book-Computer-Viruses/dp/0929408020/ref=sr_1_1?ie=UTF8&qid=1538878401&sr=8-1&keywords=little+black+book+of+computer+virus)).

The Giant Black Book of Computer Viruses ([https://www.amazon.com/Giant-Black-Book-Computer-Viruses/dp/0929408101/ref=sr\\_1\\_1?ie=UTF8&qid=1538878454&sr=8-1&keywords=giant+black+book+of+computer+virus](https://www.amazon.com/Giant-Black-Book-Computer-Viruses/dp/0929408101/ref=sr_1_1?ie=UTF8&qid=1538878454&sr=8-1&keywords=giant+black+book+of+computer+virus)).

Computer Viruses: A High-Tech Disease ([https://www.amazon.com/Computer-Viruses-High-Tech-Ralf-BURGER/dp/B00CQ98RGM/ref=sr\\_1\\_3?ie=UTF8&qid=1538878505&sr=8-3&keywords=computer+viruses%3A+a+high+tech+disease](https://www.amazon.com/Computer-Viruses-High-Tech-Ralf-BURGER/dp/B00CQ98RGM/ref=sr_1_3?ie=UTF8&qid=1538878505&sr=8-3&keywords=computer+viruses%3A+a+high+tech+disease)).